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## NOTICE OF ALLOWANCE AND FEE(S) DUE

23699

7590

10/16/2009

CLAUSEN MILLER, P.C SUITE 1600 10S. LASALLE STREET CHICAGO, IL 60603 EXAMINER

LAWRENCE JR, FRANK M

ART UNIT PAPER NUMBER

1797 DATE MAILED: 10/16/2009

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/578,541	03/08/2007	G. Michael Pope	ART2	9474	

TITLE OF INVENTION: DEVICE FOR REMOVING PARTICULATE, VARIOUS ACIDS, AND OTHER CONTAMINANTS FROM INDUSTRIAL

GASES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	01/19/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

maintenance fee notifica	ttions.			_			correspondence address as	
CURRENT CORRESPOND	Fe pa	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.						
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CLAUSEN MI SUITE 1600 10S. LASALLE	I l St ad tra	Certificate of Mailing or Transmission  I hereby certify that this Fee(s) Transmittal is being deposited with the Uni States Postal Service with sufficient postage for first class mail in an envel addressed to the Mail Stop ISSUE FEE address above, or being facsin transmitted to the USPTO (571) 273-2885, on the date indicated below.						
CHICAGO, IL 6	60603						(Depositor's name)	
							(Signature)	
							(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	R	ATTC	RNEY DOCKET NO.	CONFIRMATION NO.	
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nonprovisional	YES	\$755	\$300	\$0		\$1055	01/19/2010	
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	╛				
LAWRENCE.	JR, FRANK M	1797	096-242000					
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required.	oondence address (or Cha B/122) attached. lication (or "Fee Address )2 or more recent) attach	(1) the names of up or agents OR, alterna (2) the name of a sin registered attorney of 2 registered patent at	2. For printing on the patent front page, list  (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.					
PLEASE NOTE: Unl	less an assignee is ident th in 37 CFR 3.11. Comp		data will appear on the T a substitute for filing a (B) RESIDENCE: (CIT	patent. If an assign n assignment. 'Y and STATE OR (	COUNT	TRY)	ocument has been filed for	
Please check the appropr	riate assignee category or	categories (will not be p	rinted on the patent):	┛Individual   C	orporat	on or other private gro	oup entity Government	
4a. The following fee(s)	are submitted:	4	b. Payment of Fee(s): (Pl		ny prev	iously paid issue fee	shown above)	
Issue Fee	Jo small antity discount .	aarmittad)	☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached.					
☐ Publication Fee (No small entity discount permitted)☐ Advance Order - # of Copies			The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number					
5. Change in Entity Sta	tus (from status indicated s SMALL ENTITY state	· · · · · · · · · · · · · · · · · · ·	☐ b. Applicant is no lo				ER 1.27(α)(2)	
NOTE: The Issue Fee an	d Publication Fee (if rea	uired) will not be accepte	d from anyone other than				ne assignee or other party in	
interest as snown by the	records of the United Sta	tes Patent and Trademark	COffice.					
Authorized Signature				Date				
Typed or printed name  This collection of information is required by 37 CFR 1.311. The information				_				
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10/578,541	03/08/2007	G. Michael Pope	ART2	9474	
23699 73	23699 7590 10/16/2009		EXAMINER		
CLAUSEN MIL	LER, P.C	LAWRENCE JR, FRANK M			
SUITE 1600			ART UNIT	PAPER NUMBER	
10S. LASALLE S' CHICAGO, IL 600			1797 DATE MAILED: 10/16/200	9	

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 361 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 361 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	   10/578,541	POPE ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Frank M. Lawrence	1797	
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in or other appropriate communication. This application is subsequent to the second sec	this application. If not included nication will be mailed in due cours	se. <b>THIS</b>
2. ☑ The allowed claim(s) is/are <u>1-7 and 9</u> .			
3. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the:  1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have	been received. been received in Application	n No	rom the
International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	IENT of this application. itted. Note the attached EXA	MINER'S AMENDMENT or NOTIC	
5. CORRECTED DRAWINGS ( as "replacement sheets") mus	st be submitted.		
(a) $\square$ including changes required by the Notice of Draftspers	on's Patent Drawing Review	( PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date			
<ul> <li>(b) including changes required by the attached Examiner's Paper No./Mail Date</li> <li>Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the state of the sheet.</li> </ul>	.84(c)) should be written on th	e drawings in the front (not the back	ι) <b>of</b>
DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATE	RIAL must be submitted. Note	the
Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6.	ormal Patent Application mmary (PTO-413), Mail Date Amendment/Comment Statement of Reasons for Allowand	ce

Application/Control Number: 10/578,541 Page 2

Art Unit: 1797

**EXAMINER'S AMENDMENT** 

1. An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

The application has been amended as follows:

In the Specification:

In the amendment to the specification filed July 20, 2009, in line 7 of paragraph [0009],

"US 2005/0115478 A!" has been changed to --- US 2005/0115478 A1---.

2. The following is an examiner's statement of reasons for allowance: The examiner agrees

with applicant's arguments regarding the liquid "solution" in section (b) of claim 1, and that the

prior art also does not disclose or suggest a motivation for using a tank and solution configured

to retain bubbles for 5-10 seconds or for using an aeration stone. All outstanding objections and

rejections have been overcome and are withdrawn. The examiner's amendment is made to

correct an obvious typographical error in the specification.

Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Frank M. Lawrence whose telephone number is 571-272-1161. The examiner can normally be reached on Mon-Thurs 7:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mike Marcheschi can be reached on 571-272-1374. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Frank M. Lawrence/ Primary Examiner, Art Unit 1797